

HEXSTARR

by Henk Prins January 2019.

Angles for R.I. = 1.720

49 + 6 girdles = 55 facets

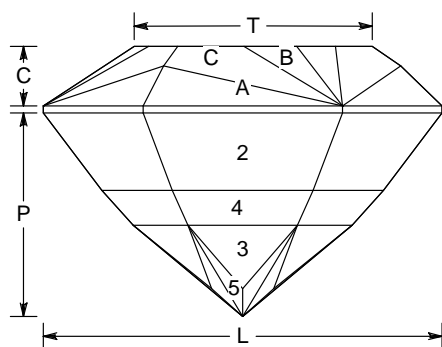
6-fold, mirror-image symmetry

96 index

$L/W = 1.155$ $T/W = 0.689$ $U/W = 0.651$

$P/W = 0.589$ $C/W = 0.172$

$Vol./W^3 = 0.321$



PAVILION

| | | | |
|---|--------|-------------------------------------|--|
| 1 | 90.00° | 96-16-32-48-64-80 | cut to size |
| 2 | 56.82° | 96-16-32-48-64-80 | fix girdle position |
| 3 | 47.04° | 96-16-32-48-64-80 | Cut to Pavilion depth about 60% of width |
| 4 | 52.00° | 96-16-32-48-64-80 | Make width about 50% of 2 |
| 5 | 40.00° | 06-10-22-26-38-42-54-58-70-74-86-90 | Meet 3 and 4 |

CROWN

| | | | |
|---|--------|-------------------|---|
| A | 48.00° | 96-16-32-48-64-80 | set girdle width |
| B | 34.10° | 04-12-36-44-68-76 | meet A-A at girdle |
| C | 40.00° | 01-15-33-47-65-79 | meet A-B at girdle |
| T | 0.00° | Table | Make B-B-T meet over point of star in Pavilion. |

Angles are suitable for material from Quartz to CZ without change.

C:\Users\henks\Dropbox\Gemology on line\New folder\Hexstarr.gem